

PATENT

PROCESS AND DEVICE FOR THE MANUFACTURE
OF A COMPOSITE MATERIAL

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ABSTRACT

The invention relates to the manufacture of a composite product which consists:

- in continuously depositing onto a moving substrate glass threads of which at least 80 % by weight thereof are commingled threads consisting of glass filaments and of filaments of thermoplastic organic material which are intimately blended, the quantity of glass deposited representing more than 40 % by weight of the total quantity of material deposited in the form of glass threads and of organic material,
- in transferring this glass threads-organic material combination into a number of zones where the said combination is heated, compressed and cooled, the heating and/or the cooling of the said combination being simultaneously accompanied by its compression,
- in cutting up the said combination in the form of sheets or in winding it onto a rotating drum.